BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 11 Package Y -11 of Yelahanka Zone.

Name of Contractror of nature of Agency:- M/s sri Lakshminarasimha Electricals

Job Code No:-011-22-000005

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000011 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: 2607/23-24 **Page No:** 260686 to 260687

Bill NO :- 14th RA Bill **Bill Period : 01-01-2024 to 31-01-2024 (for 1 months)**

Sl. No.		Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/ failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	29	57.12	1656.48
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	2527	84.95	214668.65
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	98	93.16	9129.68

5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	24	73.33	1759.92
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed /fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	339	95.61	32411.79
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	0	114.80	0.00
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	0	131.29	0.00
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	0	770.00	0.00

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12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA. 3 POLE			Nos	-	48	4530.00	217440.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm			Nos	-	48	2054.00	98592.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm			Mtrs	-	278	150.00	41700.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm			Mtrs	-	278	11.88	3302.64
	POLE NO	ADREES	QTY					
	SLNE/11/TC38/BL/00/02/01/S	BALAJI LAYOUT 2ND CROSS SINGAPORE	1					
	SLNE/11/TC54/SL/00/01/02/S	1ST MAIN ROAD SAMANNA LAYOUT	1					
	NEW POLE	GANGAMMA CIRCLE AIR FORCE GATE	1					
	NEW POLE	FOREST ROAD SINGAPORE	1					
	NEW POLE	GAS PLANT SINGAPORE	1					
	SLNE/11/TC97/SD/MR/00/49/S	SINGAPORE BBMP OFFICE	1					
	SLNE/11/TC/MB/01/08/04/S	6TH CROSS MARIYAMMA BLOCK	1					
	NEW POLE	MS PALYA CRICAL SINGAPORE	1					
	NEW POLE	VINAYAKA NAGAR HIMUST SINGAPORE	1					
	SLNE/11/TC39/MR/00/07/S	SINGAPORE MARIYAMMA TEMPAL	1					
	NEW POLE	HVV VALY WOODS APT MAIN ROAD	1					
	SLNE/11/TC40/SP/01/00/08/S	3RD CROSS SINGAPORE VARDHAPPA LAYOUT	1					
	SLNE/11/TC13/BB/00/01/S	1ST MAIN ROAD BALAJI LAYOUT MODRASU MOORULA HUDA MASID	1					
	SLNE/11/TC42/KVN/00/13/06/S	22ND CROSS KUVEMPU NAGAR 2ND STAGE	1					
	SLNE/11/TC41/NL/MR/00/14/S	8TH CROSS KUVEMPU NAGAR 1ST STAGE WATER PLANT	1					

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	SLNE/11/TC43/KVN/02/00/15/S	9TH CROSS 1ST STAGE KUVEMPU NAGARA	1					
	SLNE/11/TC43/KVN/03/00/04/S	1ST STAGE KUVEMPU NAGARA 6TH CROSS	1					
	SLNE/11/TC12/SP/00/06/02/S	SINGAPORE PARADICE 6TH MAIN	1					
	SLNE/11/TC148/AG/MR/00/06/S	SINGAPORE TO ABBIGERE MAIN ROAD	2					
	NEW POLE	GANGAMMA GUDI COCONUT GARDAN SINGAPORE	1					
	SLNE/11/TC43/KMR/00/43/S	3RD CROSS KUVEMPU NAGAR 1ST STAGE	1					
	SLNE/11/TC43/KVN/04/00/S	4TH CROSS KUVEMPU NAGAR OPP RR STORE	1					
	SLNE/11/TC42/KVN/00/03/04/S	3RD CROSS KUVEMPU NAGAR 2ND STAGE	1					
	SLNE/11/TC40/SP/02/00/13/S	2ND MAIN SANAPORE	1					
	SLNE/11/TC113/GN/00/06/S	2ND CROSS GANESHA LAYOUT	1					
	SLNE/11/TC45/GN/00/02/04/S	3RD CROSS GANESHA LAYOUT	1					
	SLNE/11/TC43/GN/00/03/07/S	3RD CROSS GANESHA LAYOUT	1					
	SLNE/11/TC40/SP/MR/14/S	3RD MAIN SINGAPORE	1					
	NEW POLE	SINGAPORE KAVERI CIRICAL	1					
	SLNE/11/TC43/KMR/00/39/LED	1ST CROSS 1ST STAGE KUVEMPU NAGAR	1					
	SLNE/11/TC43/KVN/03/00/14/S	1ST MAIN ROAD 1ST STAGE KALIYAMMA TEMPALE KUVEMPU NAGAR	1					
	SLNE/11/TC42/VMR/00/02/S	1ST CROSS KUVEMPU NAGAR RAMA TEMPALE	1					
	SLNE/11/TC42/KVN/00/03/10/LED	2ND CROSS KUVEMPU NAGAR 2ND STAGE	1					
	SLNE/11/TC54/VN/00/10/02/S	10TH CROSS VINAYAK NAGAR	1					
	SLNE/11/TC54/VN/00/04/05/S	8TH CROSS VINAYAK NAGAR	1					
	SLNE/11/TC12/NSG/00/02/02/S	2ND CROSS NEW SAI GARDAN	1					
	SLNE/11/TC12/VL/01/04/S	2ND CROSS VARADHARAJA SWMAY LAYOUT	1					
	SLNE/11/TC29/VL/01/00/04/S	3RD CROSS VARADHARAJA SWMAY LAYOUT	1					
	SLNE/11/TC49/SP/01/00/09/LED	1ST MAIN SINGAPORE	1					
	SLNE/11/TC49/DL/01/00/06/S	2ND CROSS DEVAPPA LAYOUT	1					
	SLNE/11/TC49/DL/01//00/04/S	2ND CROSS DEVAPPA LAYOUT	1					
	SLNE/11/TC43/KB/01/04/LED	1ST CROSS KALATHOOR LAYUT	1					

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	SLNE/11/TC43/KL/00/02/05/S	2ND CROSS KALATHOOR LAYUT	1					
	SLNE/11/C2/VL/00/01/08/S	1ST CROSS VASHNAVI LAYOUT	1					
	SLNE/11/TC371/MR/05/LED	2ND CROSS SINGAPORE	1					
	SLNE/11/TC40/KN/00/06/02/LED	D MANDALA SINGAPORE	1					
	SLNE/11/TC70/TMR/00/04/S	6TH CROSS JAMIYA MASIDA MS PALYA	1					
	TOTAL		48					
	Item no 14&15 For Contactçrtimer and MCCB 54nos X 5.5 Mtr = 297 Mtrs							
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Nos	-	0	7200.00	0.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	0	4030.00	0.00
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		0	723.00	0.00
	TOTAL Rs							259626.52
	Add GST 18 % = 12%+6% on item no 1-9					-12%	31155.18	228471.34
						18%	41124.84	**269596.18**
	Total Rs item no 10-18							361034.64
	Add GST 18 % on item no 10-18							64986.24
	TOTAL Rs							695617.05
	Fine imposed for non burning of street lights For the period of 1/12/2023 to 31/12/2023							3500.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							5391.92
	GRAND TOTAL							**686725.13**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ವಿದ್ಯುತ್)
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